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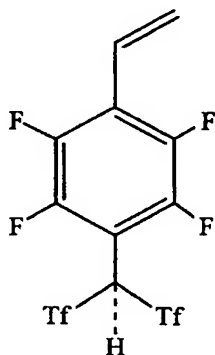
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- (71) Applicant (for all designated States except US): **TOYOTA JIDOSHA KABUSHIKI KAISHA** [JP/JP]; 1, Toyota-cho, Toyota-shi, Aichi 4718571 (JP).
- (72) Inventor; and  
(75) Inventor/Applicant (for US only): **SUGIYAMA, Yuichiro** [JP/JP]; c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi 4718571 (JP).
- (74) Agents: **HIRAKI, Yusuke** et al.; Kamiya-cho MT Bldg. 19F, 3-20, Toranomom 4-chome, Minato-ku, Tokyo 1050001 (JP).
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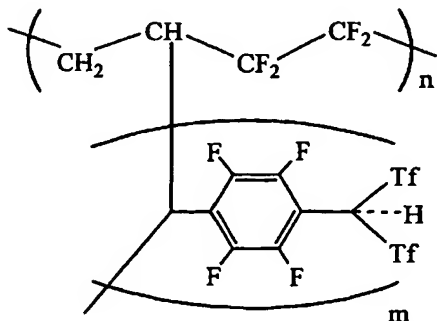
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(54) Title: MONOMER COMPOUND, GRAFT COPOLYMER COMPOUND, PRODUCTION METHOD THEREOF, POLYMER ELECTROLYTE MEMBRANE, AND FUEL CELL



(1)

(57) Abstract: A novel polymer electrolyte is provided that enables a solid polymer electrolyte used in fuel cells, for example, to have sufficient proton conductivity even in a low-water-content state or a zero-water-content state by using a monomer compound represented by the general formula (1), and a graft copolymer compound in which the monomer compound represented by the general formula (1) is graft-copolymerized to the main chain of a fluorine-containing hydrocarbon polymer. Tf indicates a trifluoromethane sulfonyl group (-SO<sub>2</sub>CF<sub>3</sub>).



(2)



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